

FORM PTO-1390
(REV 12-2001)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.
60282.00232

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

DATE: January 13, 2005

U.S. APPLN. NO.
(IF KNOWN, SEE 37 C.F.R. 1.5)

10/521155

INTERNATIONAL APPLICATION NO.
PCT/IB2002/002782

INTERNATIONAL FILING DATE
16 July 2002

PRIORITY DATE CLAIMED

TITLE OF INVENTION: OPTIMIZED ROUTING BETWEEN COMMUNICATION NETWORKS

APPLICANT(S) FOR DO/EO/US: Markku TUOHINO and Ilkka WESTMAN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
(THE BASIC FILING FEE IS ATTACHED)
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
 - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)].
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. ☒ An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. ☒ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

Items 11 - 19 below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; Form PTO-1449 and 3 references
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
17. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
18. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
19. ☒ Other items or information: CHECK NO. 012418; Formal Drawings (Figs. 1-15; 15 sheets); PCT Request; Written Opinion; Response to Written Opinion dated June 21, 2004; Form PCT/IPEA/416; Form PCT/IPEA/409; 2 Forms PCT/RO/199; Form PCT/IB/301; 2 Forms PCT/IB/306; Form PCT/IB/308; Form PCT/IB/332; International Search Report

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50) 10/521155		INTERNATIONAL APPLICATION NO. PCT/IB2002/002782		ATTORNEY DOCKET NO. 60282.00232	
				DATE: January 13, 2005	
20. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS PTO USE ONLY	
Basic National Stage Fee\$300.00					
National Stage Search Fee.....\$500.00					
National Stage Examination Fee.....\$200.00					
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$ 1,000.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].				\$	
Claims	Number Filed	Number Extra	Rate		
Total Claims	41 - 20 =	21	X \$ 50.00	\$ 1,050.00	
Independent Claims	4 - 3 =	1	X \$ 200.00	\$ 200.00	
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		X \$250.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 2,250.00	
Reduction by one-half for filing by small entity, if applicable. Applicant claims small entity status. See 37 CFR 1.27.				\$	
SUBTOTAL =				\$ 2,250.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)]. +				\$	
TOTAL NATIONAL FEE =				\$ 2,250.00	
Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +				\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 2,290.00	
				Amount to be refunded	\$
				Charged	\$

U.S. APPLN. NO. (IF KNOWN,
SEE 37 C.F.R. 1.50)

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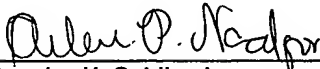
DATE: January 13, 2005

- a. ☒ A check in the amount of \$2,290.00 to cover the above fees is enclosed.
- b. ☐ Please charge Counsel's Deposit Account No. 50-2222 in the amount of \$_____ to cover the above fee.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Counsel's Deposit Account No. 50-2222.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive [37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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DT07 Rec'd PCT/PTO 13 JAN 2005

MAIL STOP: PCT

Patent ☒

Trademark ☐

Docket No. 60282.00232

Serial No.

10/521155

New Application

Filed January 13, 2005

Applicant(s)

Markku TUOHINO et al.

Papers filed herewith on January 13, 2005

☒ Fees \$ 2,290.00; Chk#012418
☒ New Application (69 Pages)
☒ Preliminary Amendment (12 Pages)
☐ Notice of Appeal
☒ IDS/PTO-1449 (3 Refs.)
☒ Other PTO-1390 Transmittal; PCT Request; 2 Forms PCT/RO/199; Written Opinion; Form PCT/IPEA/416; Form PCT/IPEA/409; PCT/IB/301; Form PCT/IB/308; Form PCT/IB/332
Response to Written Opinion dated 06/21/04; International Search Report; 2 Forms PCT/IB/306
☒ Assignment w/ PTO-1595
☒ Declaration
☐ Priority Document ()
☐ Req. for Ext. of Time () months
☒ Drawings (Formals - 15 sheets)

Receipt is hereby acknowledged of the papers filed as indicated in connection with the above-identified case.

EARLY NOTIFICATION OF SERIAL NUMBER

DHG:kbd

Due Date: January 16, 2005

COMMISSIONER OF PATENTS